

TEST REPORT

No. : TJIN2412003437PL02-1_EN

Date : 2025-02-19

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CUSTOMER NAME: Tianma Lvjian (Nantong) Wooden Structure Technology Co., Ltd.
ADDRESS: No.82 Jianghai Rd, Development Zone, Nantong City, Jiangsu
Province, China

Sample Name : block board

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

Other Ref. No. : SWR2501041
Date of Receipt : 2024-12-13
Testing Period : 2024-12-13 ~ 2025-02-07
Test result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for
SGS-CSTC Standards Technical
Services (Tianjin) Co., Ltd..

Mike Wang

Mike Wang
Authorized signatory



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1.Test item: Bond quality

Sample Description: Wood Panel

Test Method: BS EN 13354:2008

Test condition: (20±3)°C water for 24h

Thickness: 43.5mm

Test Environment: Room temperature

Summary of Results:

Test Item		Test Method	Result	Conclusion
Bond quality	Shear strength of adhesive layer MPa	BS EN 13354:2008 Solid wood panels (SWP). Bonding quality.	2.70	/
	Average wood failure rate of shear area %	BS EN 13354:2008 Solid wood panels (SWP). Bonding quality.	100	/



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Sample No	Size of shear surface (mm)		Break of adhesive layer P_{\max} (N)	Average wood failure rate of shear area (%)	Shear strength of adhesive layer τ (Mpa)	Average (Mpa)
	Width b	Length l				
1	10.18	50.13	1268	100	2.48	2.70
2	9.98	50.04	1311	100	2.63	
3	10.19	50.58	1392	100	2.70	
4	11.53	50.32	1088	100	1.88	
5	9.91	49.81	1089	100	2.21	
6	9.34	50.47	1204	100	2.55	
7	9.21	50.12	1554	100	3.37	
8	10.08	50.36	1591	100	3.13	
9	9.17	50.68	1495	100	3.22	
10	9.90	49.84	1386	100	2.81	
$\tau = P_{\max}/(b \times l)$,Accurate to 0.1MPa. (If the load exceeds 4000N, accurate to 1MPa)						



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Note: 1. This test report updates original data, supersedes the test report No. TJIN2412003437PL02 dated Feb 7th,2025, original report will be invalid from today.

2. * test project was carried out by subcontractors.

3. The test report shall only be used for clients' scientific research, teaching, internal quality control, product research and development, etc... and just for internal reference.

*****End of report*****



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